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(54) **ESD PROTECTION IN A VERY SMALL FORM FACTOR CONSUMER ELECTRONIC PRODUCT**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 463 days.

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(21) Appl. No.: **12/870,513**

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H05K 3/30 (2006.01)

(52) **U.S. Cl.**
USPC **361/220**; 361/222

(58) **Field of Classification Search**
None
See application file for complete search history.

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(57) **ABSTRACT**

A very small form factor consumer electronic product includes at least a single piece housing having an integral front and side walls that cooperate to form a cavity in cooperation with a front opening where an edge of the side walls define a rear opening and at least some of the edges have flanges. The consumer electronic product also includes an user input assembly having a size and shape in accordance with the front opening and a clip assembly having a size and shape in accordance with the rear opening and having an external user actionable clip, a plurality of internal hooking features, and a plurality of internal latching features. The clip assembly is secured by engaging at least some of the hooking features and the flanges on the edges of the housing and engaging the latching features and corresponding attachment features on the internal support plate.

13 Claims, 23 Drawing Sheets

